evident by her Declaration on her Death Bed) married and brought forth a Boy in the Two and Fiftieth Year of her Age, having Two Teeth in his Head.

10. Another Woman in *Lewis*, was Seven Years bringing forth a Child Bone after Bone, and all by the Fundament.

11. A Boy in the Iſle of *Skie*, Aged Sixteen Years, has a Faculty of erecting his Ears at his Pleaſure. There are ſeveral Towns in *Skie*, where the Sheep have no Marrow, all theſe Towns are Rocky, High, and very Windy.

12. The Inhabitants of St. *Kilda*, are every Summer infected with a Cough upon the Chamberlans Landing, which laſts for Ten or Twelve Days, and the uſual Remedy for it is Giben drunk upon Brochan of Meal and Water. This Giben is the Fat of Sea Fowls preſerved in the Stomach, a ſove-raign Remedy for Coughs and Green Wounds.

VII. *A Letter of Dr.* Wallis, *Dated* Oxford, Sept. *6.* 1697. *Containing ſome Additions to his Letter about Thunder and Lightning, and a Correction of his* 109*th* Cap. *of his Algebra.*

I Find that in your Tranſactions *Numb.* 231. for the Month of *Auguſt*, you have Printed my Letter of *July* 26. If it had not been too late, I would have added, That, when I ſaid, *A Mixture of Sulphur and Filings*

lings of Steel, with the admiſſion of a little Water, will not only cauſe a great Effervescence, but will of it ſelf break forth into an actual Fire; I ſaid expreſly, *a little Water*; becauſe *too much Water* will hinder the Operation, or quench the Fire. Which I take to be the Caſe of the *Bath-Waters*, where *Steel and Sulphur* cauſe a great Effervescence, but no Flame. And the like of other Hot Springs. And I do not confine it to this particular Mixture; for the Chymiſts, I preſume, may furniſh us with divers others. And therefore I ſaid, *or ſomewhat equivalent*. But I gave Inſtance of this for one.

I would have added alſo, That the ſame Account may be given of *Ætna* (and other burning Mountains;) where the Mixture of Steel and Sulphur may give a Flame; which is oft attended with prodigious Exploſions (and Earth-quakes) from great Quantities of Niter, as in ſpringing a *Mine*.

I ſhall alſo take this Occaſion to rectify ſome Numbers which I find to have been miſtaken in my Treatiſe of *Algebra*, at *Cap.* 109. which though they do not vitiate the Demonſtration (which will hold as well when theſe be rectified) yet I think fit to correct them, that they may not give the Reader a trouble.

In Algebræ meæ Cap. CIX. *irrepſerunt Numeri vitioſi. Qui quamvis ſummam Demonſtrationis non evertant, ſunt tam rectificandii. Propoſitum eſt, Datum Cubum (cujus latus ponatur* =1,) *ita perforare, ut Cubus alter, ipſi æqualis, per foramen tranſeat. Quod cum pluribus modis fieri poſſit, hunc ſelegis. Intelligatur Cubus perforatus, Sphæræ inſcriptus; Cujus itaq; Diameter ſeu Axis erit (æqualis Diagonio Cubi)* =$\sqrt{3}$. *Cujus Polos occupent Cubi Angulus A, & huic oppoſitus latens. Reliquiq; ſex*

Anguli

Anguli BCDEFG, in planum per Centrum (Axi ad Angulos rectos) projiciantur. Non quod illi omnes ſint in eodem plano; ſed BDF ſunt in plano ſuperiori quod ab A (polo proximo) diſtat Axis triente; reliquiq; CEG, in plano huic parallelo quod tantundem diſtat ab oppoſito polo latente. Sed omnes hi Anguli, demiſſis in planum illud per centrum perpendicularibus projecti, formabunt in illo hexagonum regulare BCDEFG. Cui ſi intelligatur Circulus circumſcriptus; non erit ille, Circulus Sphæræ maximus (quia puncta ſic projecta non pertingunt ad extremum ambitum Circuli Sphæræ maximi per centrum;) ſed qualis ille eſt qui per BDF, vel per CEG, tranſit. Cujus itaq; Diameter eſt $=\sqrt{\frac{8}{3}}$. *Et PB* $=\sqrt{\frac{1}{6}}$. *Et PG* $=\sqrt{\frac{1}{2}}$. *Et BM* $=\sqrt{\frac{2}{3}}-\frac{1}{2}$. *Et MQ* $=\sqrt{2}-\frac{1}{2}\sqrt{3}$. *Cum itaq; MH* $=\frac{1}{2}=0.500$. *(ſemilatus incumbentis Cubi tranſituri) minus ſit quam MQ* $=\sqrt{2}-\frac{1}{2}\sqrt{3}=0.548+$; *Manifeſtum eſt (facto foramine HIKL) tranſire poſſe cubum incumbentem, perforato æqualem.*

VIII. *Account of Books.* 1. *Refractio ſolis in occidui in ſeptentrionalibus oris juſſu ſereniſſimi ac potentiſſimi Principis Caroli* II. *Sueco-rum, Gothorum, Vandalorum, &c. Monarchæ Clementiſſimi, circa Solſtitium æſtivum,* 1695. *aliquot obſervationibus Aſtronomicis detecta. Holmiæ in* 4°. *Sweediſh and Latin, and now Tranſlated into Engliſh, and Printed for* Ed. Caſtle *next* Scotland-Yard *Gate by* White-Hall, *in* 8°.

IN *Chap.* I. the Author, *J. Bilberg*, gives an Account of the King of *Sweden*'s Obſervation, which was, that being at *Torneo* in *Weſtro-Bothnia*, ſcituated in 65°. 43'. Lat-

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